



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/729,558	12/04/2003	Woo Seong Yoon	2080-3-191	2045
35884 7590 07/17/2007 LEE, HONG, DEGERMAN, KANG & SCHMADEKA 660 S. FIGUEROA STREET Suite 2300 LOS ANGELES, CA 90017				
			EXAMINER LIM, KRISNA	
			ART UNIT 2153	PAPER NUMBER
			MAIL DATE 07/17/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/729,558	Applicant(s) YOON ET AL.	
	Examiner Krisna Lim	Art Unit 2153	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 December 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2153

1. Claims 1-13 are presented for examination.
2. The title of the invention is neither descriptive nor precise. A new title is required which should include, using twenty words or fewer, claimed features that differentiate the invention from the Prior Art. The title should reflect the gist of or the improvement of the present invention.
3. The drawings are objected to under 37 CFR 1.83(a) because they fail to show the steps of claims 1-13 as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will

Art Unit: 2153

be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Tsumagari et al. [U.S. Patent No. 2003/0161615].

6. Tsumagari et al. anticipated (e.g., see Figs. 1-23) the invention substantially as claimed. Taking claim 1 as an exemplary claim, the reference anticipated a method for reproducing A/V data recorded on an interactive recording medium (DVD with the interactive mode of fig. 25, Enhanced DVD disc 1 of figs. 30 and 31), comprising the steps of: a) receiving playback control information for the A/V data (e.g., see ENAV playback Information 400 of Fig. 1, the abstract, § 65) from a contents providing server (a web content 30W of Fig. 1) and storing the received playback control information (see Fig. 34); and b) presenting the A/V data reproduced (e.g., 350 of fig. 1) from the interactive recording medium (DVD with the interactive mode of fig. 25) in conjunction (e.g., combination, § 74) with additional contents data received from the contents (a web content 30W of Fig. 1) to providing server using the stored playback control information

(ENAV playback Information of Fig. 1, § 67).

7. As to claim 2, Tsumagari et al. anticipates the additional contents data is organized into a plurality of data files (e.g., see a volume/file structure of figs. 30-31, § 60, 61, 67 and 74).

8. As to claim 3, Tsumagari et al. anticipates the playback control information is provided all at once (a title playback of fig. 6, a title of figs. 7 and 11) by the contents providing server or is divided into multiple pieces (chapters, multiple frames of figs. 2C and 2C, chapter playback ST40 of fig. 10) and provided one by one when needed by the contents providing serve (e.g., ST 40 of fig. 10).

9. As to claim 4, Tsumagari et al. anticipates the playback control information includes access information for data files of the additional contents data to be reproduced (e.g., 350 of fig. 1) in conjunction (e.g., combination, § 74) with some intervals of the A/V data and information on presentation time of each of the data files.

10. As to claim 5, Tsumagari et al. anticipates the playback control information further includes information on the size of data files of additional contents data that will be received next (e.g., § 67, 115, 116 and 119)

11. As to claim 6, Tsumagari et al. anticipates the access information for data files of the additional contents data is file names of the data files or addresses of the places in which the data

Art Unit: 2153

files are stored (e.g., see volume/file structure information area of figs. 30-31, § 60, 61 and 67).

12. As to claim 7, Tsumagari et al. anticipates the presenting step further includes the step of sending a request to the contents providing server for requiring that the contents providing server change the expected transmission time (e.g., predetermined timing, § 67) of data files of additional contents data to transmit next with reference to the information on presentation time (e.g., duration information) of each data file included in the playback control information (e.g., see § 127).

13. As to claim 8, Tsumagari et al. anticipates the request is to delay the expected transmission time (e.g., wait for event, see ST 192 if fig. 22, synchronization information).

14. As to claim 9, Tsumagari anticipates the request to delay the expected transmission time is made when the additional contents data files cannot be stored in the remaining space of a temporary storage means (buffer manager, § 395, 397, 421 and 432).

15. As to claim 10, Tsumagari et al. anticipates the presenting step further includes the step of determining a transmission method for additional contents data to be received next by comparing the information on the size of data files of additional contents data that will be received next with the size of the remaining space of a storage means for temporarily storing (buffer management) the additional contents data and sending a transmission request according

to the determined method (e.g., see § 395, 397, 421 and 432)

16. As to claim 11, Tsumagari et al. anticipates the transmission request is for requiring that the contents providing server divide the data files of the additional contents data that will be received next into several groups (e.g., chapters, § 123 and transmit the groups individually (e.g., part of video data of chapter 1 is played back first and video data of chapter 2 and the like of the ENAV content are mixed and played back finally, see § 21, 128).

17. As to claims 12-13, Tsumagari et al. discloses the transmission request is for requiring that the contents providing server additional contents before transmission (e.g., see ST10, ST20 and ST16 of fig. 6, § 164), and while Tsumangari et al. does disclose the video manager VMG (e.g., see § 60-64) for recording the data onto the DVD area, Tsumangari does not explicitly mention that his VMG can record the data in a lowest allowable compression rate. Such recording data onto the DVD in different compress rate is inherent in DVD recorder (e.g., see any available DVD burner that is available in the market).

18. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The references are cited in the Form PTO-892 for the applicant's review.

A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) days from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the application (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b)).

Art Unit: 2153

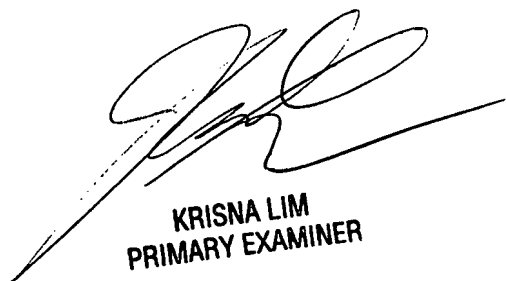
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisna Lim whose telephone number is 571-272-3956. The examiner can normally be reached on Monday to Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess, can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kl

July 12, 20



KRISNA LIM
PRIMARY EXAMINER